

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	"6173576"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 13:32
L2	1169	361/688	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 16:05
L3	1169	361/688	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 15:40
L4	1328	62/259.2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 17:11
L5	854	62/3.2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 15:41
L6	1	"cooling device" and "electronic element" and "cooling portion" and "first flow channel" and "second flow channel" and "active heat transport element" same "heat intake" and "heat outlet" and "cooling medium".clm.	US-PGPUB	OR	ON	2006/06/05 15:50
L8	0	"electronic device" and "first chassis" and "second chassis" and hinge and "cooling medium circuit" and pump and "active heat transport element" and "heat intake" and "heat outlet" and "cooling portion" and "flow path" and "first flow channel" and "second flow channel" and upstream and downstream and "auxiliary heat radiation unit".clm.	US-PGPUB	OR	ON	2006/06/05 15:47
L9	0	"electronic device" and "first chassis" and "second chassis" and hinge and "cooling medium circuit" and pump and "cooling medium" and "active heat transport element" and "heat intake" and "heat outlet" and "cooling portion" and "flow path" and "first flow channel" and "second flow channel" and upstream and downstream and "auxiliary heat radiation unit".clm.	US-PGPUB	OR	ON	2006/06/05 15:48

## EAST Search History

L10	0	"electronic device" and "first chassis" and "second chassis" and hinge and pump and "cooling medium" and "active heat transport element" and "heat intake" and "heat outlet" and "cooling portion" and "flow path" and "first flow channel" and "second flow channel" and upstream and downstream and "auxiliary heat radiation unit".clm.	US-PGPUB	OR	ON	2006/06/05 15:49
L11	0	"electronic device" and "first chassis" and "second chassis" and hinge and pump and "cooling medium" and "active heat transport element" and "heat intake" and "heat outlet" and "cooling portion" and "flow path" and "first flow channel" and "second flow channel" and "auxiliary heat radiation unit".clm.	US-PGPUB	OR	ON	2006/06/05 15:49
L12	0	6 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 15:49
L13	0	6 and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 15:50
L14	0	6 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 15:50
L15	0	6 and 5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 15:50
L16	854	5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 17:41
L17	2	"20030188538"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 17:47
S1	0	(electronic adj device) same (peltier) same (cooling adj (medium or device or portion)) same (heat adj (transport or exchange or radiation)) same ((first or second) adj (flow) adj channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:12

## EAST Search History

S2	1	(electronic adj device) same (peltier) same channel same heat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:29
S3	10	"6173576"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:07
S4	0	(peltier) same (cooling adj (medium or device or portion)) same (heat adj (transport or exchange or radiation)) same ((first or second) adj (flow) adj channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:13
S5	0	(peltier) same (cooling adj (medium or device or portion)) same heat same (transport or exchange or radiation) same (first or second) adj "flow channel"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/05/30 14:15
S6	10	(peltier) same (cooling adj (medium or device or portion)) same heat same (transport or exchange or radiation) same channel	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/05/30 14:15
S7	67	("3552133"   "4364234"   "4384512"   "4402185"   "4453385"   "4823554").PN. OR ("5061630"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 14:28
S8	752907	(cooling adj device) same (electronic) same (channel\$1) same ((cooling portion) or pump) or ((cooling adj medium) or liquid) and heat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:26
S9	10	(cooling adj device) same (electronic) same (channel\$1) same ((cooling portion) and pump) and ((cooling adj medium) or liquid) and heat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:30
S10	1	(cooling adj device) same (electronic) same (channel\$1) same ((cooling portion) and pump) and ((cooling adj medium) or liquid) and heat same peltier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:27
S11	1169	361/688	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:29
S12	0	S11 and ((electronic adj device) same (peltier) same channel same heat)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:29

## EAST Search History

S13	14	S11 and ((electronic adj device) and (peltier) and (channel or heat or cooling))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/30 14:31
S14	13	("5584183"   "5731954"   "5737923"   "5890371"   "5918469"   "5934079"   "5970729"   "6058712"   "6164076"   "6166907"   "6196003"   "6234240"   "6298669").PN. OR ("6705089"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 14:41
S15	104	("5589114" "4484955" "4947945" "6056911" "4626387" "5755076" "5914860" "5930135" "5953921" "6031751" "6264738" "6338855" "6458204" "6758064" "5813233" "5690875" "5995370" "4365666" "4441953" "4494380" "4830100" "4961320" "6119464" "6192968" "6233944" "6237356" "4242877" "4303125" "4341056" "4364419" "4878536" "4936107" "4976098" "5185104" "5235491" "5254178" "5465578" "5715683" "5729985" "5737927" "5887551" "5923084" "6026895" "6042369" "6170267" "6181556" "6223814" "6223814" "6234790" "4275258").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:11
S16	4635	165/80.3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:12
S17	1938	165/80.4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:12
S18	0	165/104.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:24
S19	1328	62/259.2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:26
S20	854	62/3.2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:26

## EAST Search History

S21	1	(cooling adj device) same (electronic) same (channel\$1) same ((cooling adj portion) and pump) and ((cooling adj medium) or liquid) and heat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:31
S22	10	(cooling adj device) same (electronic) same (channel\$1) same (pump) and ((cooling adj medium) or liquid) and heat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:31
S23	0	S19 and ((cooling adj device) same (electronic) same (channel\$1) same (pump) and ((cooling adj medium) or liquid) and heat)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:32
S24	1	((cooling adj device) same (electronic) same (channel\$1) same (pump) and (cooling) and heat and peltier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:33
S25	6	((cooling adj device) same (electronic) same (channel\$1) and peltier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:34
S26	0	S19 and ((cooling adj device) same (electronic) same (channel\$1) and peltier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:34
S27	6	S19 and ((cooling) same (electronic) same (channel\$1) and peltier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:52
S28	6	S19 and ((cooling) same (electronic) same (channel\$1) and peltier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 11:53
S29	6	S20 and ((cooling) same (electronic) same (channel\$1) and peltier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:12
S30	1	((cooling) same ((electronic) and (channel\$1) and peltier) with (upstream and downstream))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:14
S31	1	((cooling) same ((electronic) and (channel\$1) and peltier) with (upstream or downstream))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:14
S32	1	((cooling) same ((electronic) and (channel\$1) and peltier) with (up\$6 and down\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:16

## EAST Search History

S33	0	((cooling) same ((electronic) and (channel\$1) and peltier) with (up\$6 and down\$6 and first and second) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:17
S34	2	((cooling) same ((electronic) and (channel\$1) and (peltier or TEC) with (up\$6 and down\$6)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:18
S35	5	((cooling) same ((electronic) and (channel\$1) and (peltier or TEC) with (\$stream)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:23
S36	10	("4548259"   "4620421"   "4989626"   "5027145"   "5160399"   "5404656"   "5409547"   "5421097"   "5456081").PN. OR ("5605189").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/31 14:21
S37	10	S36 and (("4548259"   "4620421"   "4989626"   "5027145"   "5160399"   "5404656"   "5409547"   "5421097"   "5456081").PN. OR ("5605189").URPN.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/31 14:22
S38	0	S35 and (("4548259"   "4620421"   "4989626"   "5027145"   "5160399"   "5404656"   "5409547"   "5421097"   "5456081").PN. OR ("5605189").URPN.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/31 14:22
S39	3	((cooling) same ((electronic) and (channel\$1) and flow and (peltier or TEC) with (\$stream)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:23
S40	53	((cooling) same ((electronic) and (channel\$1) and flow and (peltier or TEC) and (\$stream)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:51
S41	6	S20 and ((cooling) same ((electronic) and (channel\$1) and flow and (peltier or TEC) and (\$stream)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:34
S42	1	S19 and ((cooling) same ((electronic) and (channel\$1) and flow and (peltier or TEC) and (\$stream)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:24
S43	2	((cooling) same ((electronic) and (channel\$1) and flow and (peltier or TEC) and (\$stream)) and (pre-cool\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:35

## EAST Search History

S44	2	((cooling) same ((electronic) and (channel\$1) and (peltier or TEC) and (\$stream)) and (pre-cool\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:36
S45	0	S19 and ((cooling) same ((electronic) and (channel\$1) and (peltier or TEC) and (\$stream)) and (pre-cool\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:36
S46	1	S20 and ((cooling) same ((electronic) and (channel\$1) and (peltier or TEC) and (\$stream)) and (pre-cool\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:36
S47	3	S20 and ((cooling) same ((electronic) and (channel\$1) and (peltier or TEC) and (pre-cool\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:38
S48	1	S19 and ((cooling) same ((electronic) and (channel\$1) and (peltier or TEC) and (pre-cool\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:40
S49	5	("5724818"   "5813233"   "6226994"   "6233944").PN. OR ("6880346").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/31 14:39
S50	12	((cooling) same ((electronic) and (channel\$1) and (peltier or TEC) and (pre-cool\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:40
S51	11	((cooling) same ((electronic) and (channel\$1) and flow and (peltier or TEC) and (pre-cool\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:43
S52	101	(cool\$4 and pre-cool\$3 and (peltier or TEC) and electronic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:53
S53	50	(cool\$4 and pre-cool\$3 and (peltier or TEC) and electronic and channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:52
S54	50	(cool\$4 and pre-cool\$3 and (peltier or TEC) and electronic and channel\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/31 14:53